

[54] COLLISION DETECTION IN A FIBER OPTIC
LOCAL AREA NETWORK

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[57]

ABSTRACT

The fiber optic local area network includes an active
star node including a plurality of optical receivers and
transmitters. A logic element is interconnected with the
output of each of the receivers in the node to detect
simultaneous transmissions on the network. When si-
multaneous transmissions are detected, a collision signal
is generated and this signal is transmitted by the node
transmitters onto the network.

3 Claims, 3 Drawing Sheets

